

## Conventional detector ES Detect with relay contact, for 48 V DC operation

- ✓ Direct connection to a 48 V DC voltage supply
- ✓ Voltage input protected against polarity reversal
- ✓ Floating relay contact, maximum 60 V DC/0,45 A, for alarm forwarding
- ✓ Low quiescent current
- ✓ Large operating voltage range
- ✓ intelligent algorithms for early fire detection
- ✓ Indicates detector contamination and implements quiescent value tracing
- ✓ Complete self-monitoring
- ✓ Integrated fault, alarm and operating hours counter
- ✓ Easy installation & maintenance



### Automatic conventional detector with relay contact, for 48 V DC operation

The conventional detector with relay contact 800361.10 consists of a Series ES Detect optical smoke detector 800371 and a detector base which facilitates a direct connection to a 48 V DC voltage supply. Thus the detector does not have to be operated in connection with a fire alarm control panel.

If the detector detects a fire alarm, a floating relay contact switches and the alarm can then be forwarded. The relay contact is set to „normally closed“ by default, but can also be configured to „normally open“ with a soldered link on the base circuit board.

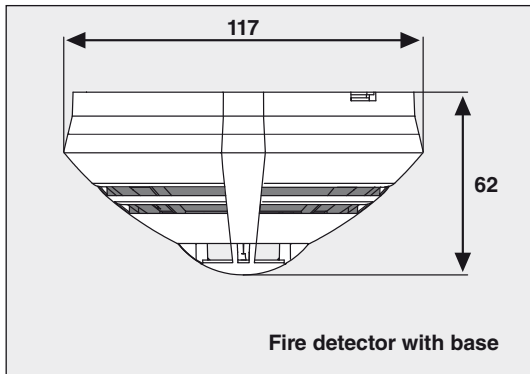
A typical application for this detector is the monitoring of mobile stations.

### ES Detect

The ES Detect automatic detector is an intelligent non-addressable detector specifically designed for operation on conventional detector groups.

ES Detect sets new standards in conventional technology through high quality sensors with advanced detection technology. These include not only the intelligent algorithms for early fire detection but also the wide range of different types of detectors, including multi-sensor detectors OT<sup>blue</sup> and O<sup>2</sup>T.

The convenient maintenance with the tools 8000 programming software (in preparation) completes the full spectrum of ES Detect, from which the operating data of the detector, for example, the measured values, contamination, alarm counters, operating hours counter, can be read and stored.



Dimensions

## Specifications

Part No.	800361.10	800371
Type	Optical smoke detector incl. base with relay	Optical smoke detector ES Detect
Operating voltage	42 V ... 58 V DC	8 ... 42 V DC
Rated voltage UN	48 V DC	9 V DC
Quiescent current @ UN	approx. 51 µA puls.	approx. 30 µA puls.
Quiescent current @ UL max.	approx. 77 µA puls.	approx. 280 µA
Alarm current @ UN	typ. 9 mA (inkl. Relais)	typ. 9 mA
Contact load relay	30 V DC/1 A, 60 V DC/0,45 A	
Area to be monitored	max. 110 m <sup>2</sup>	max. 110 m <sup>2</sup>
Height to be monitored	max. 12 m	max. 12 m
Application temperature	-20 °C ... 72 °C	
Detector specification	EN 54-7	
VdS-Approval	G 213066	

## General specifications

Indicator	inclusive
Alarm memory	inclusive
Air speed	0 ... 25.4 m/s
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (no condensation)
Type of protection	IP 43 (with base + option)
Material	ABS
Color	white, similar to RAL 9010
Weight	ca. 110 g (ca. 190 g incl. base)
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)

## Order information

	Part No.
Smoke detector with relay contact for 48V DC operation, including detector base	800361.10*
IP43 moisture-proof surface-mounted base adapter	805572.50
Optical smoke detector ES Detect	800371
OTblue multisensor fire detector ES Detect	800375
O2T multisensor fire detector ES Detect	800374
Detector base with relay contact for 48V DC operation	805592

\*The detector 800361.10 can be ordered only as packaging unit with 5 pieces (e.g. 5, 10, 15, 20 pieces etc.)